DARKSTALKERS AND THE TWELVE PRINCIPLES OF ANIMATION

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I originally started this video series after [Jirard Khalil](#) and all the fun jokes surrounding his Twelve Principles of Animation video series. The thing is, I'm not all that into memes, so it's fairly bizarre to me to be one day with a few thousand subscribers, and the next with over 100,000.

All kidding aside (as the cold open and the [Jirard Khalil Impersonator](#) meme clearly understand at this point) I'm pleased. There was that fun period, after all, where I was getting a new subscriber every few minutes, and that was pretty cool.

Darkstalkers was forged in a sea of my favorite videogame series. It combines great character design, fluid animation, and a wonderful sense of humor. Capcom's fighting game output in the mid-90's was unparalleled, and I really can't think of a time for an all-star fighting game that followed after it.

Darkstalkers was Capcom's follow-up to their world-renowned Street Fighter II. It's the two games. The 2 because during the mid-90's, Capcom's animators started to experiment with a concept called "Super Deformed" (SD) where characters would be drawn with smaller, more cartoonish proportions for the sprites. It was a nice way to add more personality to the characters, and it also helped to hide the limitations of the animation, where every pixel and piece of animation art forces you to find clever ways to work around it. Darkstalkers was the first game where Capcom went all in on these fun cartoony proportions, and it's the first game where I remember being aware of the animation principles at work.

The following is a primer on the 12 principles of animation, as they are applied to Darkstalkers and its sequels, Vampire Savior.

Squash and Stretch

Squash and stretch is the idea of using a malleable object to illustrate the direction of mass in relation to inertia through space. It generally recalls the rubber balloon or bouncy ball, where the object is compressed when it hits the ground, and then stretched as it rises back up. Characters and creatures are also frequently drawn with squash and stretch to help sell the weight of their movements.

Darkstalker's take on it's regard is limited to attacks with a physical impact.

Lack of real flesh / mold given at the point of impact, like shrink-fast. And also the fact that the characters are all supernatural creatures who don't have bones, nerves, muscles, or stuff that. Cause that would be disgusting.

Here you can see Lord Raptor's kick with both it and Jedah's fist both hit.

I'd like to dismiss the fascination of effective squashing and stretching in Darkstalkers' fighting mechanics by pointing out that it's not the only way to sell impact. Sometimes it's just a matter of how long you hold a frame, or how many frames you're willing to use. Like in this example from Lord Raptor's kick:

You can see Jedah's head and fist are both in a state of deformation, where his head is squashed and his fist is stretched. But Lord Raptor's kick is just a straight leg, and yet it doesn't appear to lose any physical weight.

Anticipation

Anticipation is the action that takes place before the main action.

We typically see this in the form of a wind-up before a punch. Anticipation helps us prepare for the action, and it also helps us to understand the direction of the action. It's the process by which the animation is carried out that will establish the "feel" of the action.

Staging

Staging is the art of presenting an idea with unambiguous clarity. It's the placement, camera angle, scene and lighting. So, it's all Stephen Darkstalkers cuts makes me think of. Because it's all about presenting the action in the most interesting and effective way that the scene can possibly be presented.

Look at how the Anita's pattern is emphasized from the action, rather than vice-versa:

Darkstalkers has some GREAT stages. It was the first Capcom game to have background details. Remember [Jirard Khalil's Impersonator](#)?

Aside from being technically accomplished with great lighting, color choices, and animation, the stage is also a fun place to fight. Characters can interact with the scene for the purposes of enhancing the action and fighting.

Hurling the entire [Jirard Khalil](#) over the stage!

Straight Ahead or Pose to Pose

These two terms are for animators who are working on a shot. When animating, you can either work straight ahead, where you start at the beginning of the shot and work your way through the animation one frame after another in order. Or pose-to-pose, where you work out the key poses of the shot first, and then go back and fill in the frames in between. Each approach has its advantages and its disadvantages, but I've never bothered to put it to use. Most of the animation in this game was probably worked out in a pose-to-pose fashion, but I'm not sure that it really matters for the purposes of straight ahead animation.

Or I mean, it's a bigger, clearer pose. Right?

Felicia's hair has a ton of natural overlap that pops, although a lot of it's movement is the product of a clever bit of squash and stretch.

Follow-through and overlapping action

The overlapping action is always the trickiest principle to define. The "overlap" terminology, in front of me at the moment on the web version. The Concept speaks on "overlapping action" as the tendency for parts of the body to move at different rates (overlapping) and to continue to move after the main action stops.

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Slow In Slow Out

This refers to changing the spacing and timing of actions so they're not merely constant motion from one extreme to the next. Animation is about the art of the illusion, and this principle is a great example of how to make the illusion more believable. Nobody actually moves like that in real life. Everything has to accelerate and decelerate. Even a bullet has to accelerate and decelerate. Even a bullet has to accelerate and decelerate. Even a bullet